Mental Status and Neuropsychological Assessment A Guide to the Standardized Mini-Mental State Examination

D. WILLIAM MOLLOY AND TIMOTHY I. M. STANDISH

ABSTRACT. The Mini-Mental State Examination (MMSE) is a widely used screening test for cognitive impairment in older adults. Because the guidelines for its application are brief, the administration and scoring of the test can vary between different individuals. This can diminish its reliability. Furthermore, some of the items must be changed to accommodate different settings, such as the clinic, home, or hospital. Because there are no time limits, it is not clear how long one should wait for a reply to a question. It is also not clear how one deals with answers that are "near misses." The goal of the Standardized Mini-Mental State Examination (SMMSE) was to impose strict guidelines for administration and scoring to improve the reliability of the instrument. The reliability of the MMSE was compared with the reliability of the SMMSE in 48 older adults who had the tests administered by university students on three different occasions to assess the interrater and intrarater reliability of the tests. The SMMSE had significantly better interrater and intrarater reliability compared with the MMSE: The interrater variance was reduced by 76% and the intrarater variance was reduced by 86%. It took less time to administer the SMMSE compared with the MMSE (average 10.5 minutes and 13.4 minutes, respectively). The intraclass correlation for the MMSE was .69, and .9 for the SMMSE. Administering and scoring the SMMSE on a taskby-task basis are discussed.

Since Dr. Marshall Folstein first published the Mini-Mental State Examination (MMSE) in 1975 (Folstein et al., 1975), it has become widely used as a screening test for cognitive impairment. The test, originally developed as a short screening instrument for clinicians, is

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now used as a screening tool to evaluate patients' suitability for inclusion/exclusion in clinical trials, and as an outcome measure in clinical trials. The test has gained wide acceptance because it covers a variety of cognitive domains, such as orientation to time and place, short-and long-term memory, registration, recall, constructional ability, language, and the ability to understand and follow commands.

This short test, usually completed in approximately 10 minutes, can be administered

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Mini-mental State Examination Marshal F. Folstein, Susan E. Folstein, Gary Fanjiang, 2001 The Folstein mini mental state examination MMSE is the most widely used screening test of cognition in older adults The Standardized mini mental state examination SMMSE provides clear explicit administration and scoring guidelines **Standardized Mini-mental** State Examination ,1999 The Folstein mini mental state examination MMSE is the most widely used screening test of cognition in older adults The Standardized mini mental state examination SMMSE provides clear explicit administration and scoring guidelines Neurological Examination: A Structured Approach GRK Sarma, 2018-09-24 1 Assessment of Higher Mental Functions 2 Examination of a Patient in Coma 3 Cranial Nerves 4 Motor System 5 Examination of the Sensory System 6 Reflexes 7 Examination of Coordination 8 Examination of Gait 9 Examination of Movement Disorders 10 Clinical Evaluation of Seizures and Epilepsies 11 Examination of a Patient with Vertigo 12 Autonomic Nervous System 13 Examination of a Patient with Neck Pain 14 Examination of a Patient with Low Back Pain 15 Examination of Other Joints 16 Examination of Trigger Points 17 Neurological Examination of a Neonate 18 Pediatric Neurological Examination Index Screening Instruments A. J. Larner, 2012-07-27 Cognitive Screening Instruments A Practical Approach provides a practical and structured overview of some of the most commonly used and easily available cognitive screening instruments applicable in the outpatient clinic and bedside setting Dementia and cognitive disorders are now recognised as an increasing public health problem both in terms of patient numbers and cost as populations age throughout the world Despite this many patients with dementia never receive a formal diagnosis with implications for their appropriate care and management Diagnostic tests which identify cases of dementia therefore have an important role Expert authors from around the world equip the reader of Cognitive Screening Instruments A Practical Approach with clear instructions on the usage of each screening instrument its strengths and weaknesses the time required for administration and rules on scoring such as how to correct for variations in the patient's age or education and suggested cut off scores Cognitive Screening Instruments A Practical Approach is a handy illustrated guide and a valuable diagnostic aid for practitioners working closely with patients with dementia and mild cognitive impairment This volume will be of use both to clinicians and to professionals in disciplines allied to medicine who are called upon to assess patients with possible cognitive disorders including neurologists old age psychiatrists neuropsychologists primary care physicians dementia support workers and members of memory assessment Measurement Tools in Clinical Ethics Barbara Redman, 2002 The evolution of ethical issues in clinical and teams research work in health has acclerated dramatically due to the struggle toward patient automony in end of life decisions and patients access to choices in health care and in research How do we clarify the assumptions and consequences of these decisions in the development of measurement instruments that gather data of their psychometic characteristics This book presents a number of these instruments each chapter examines a specific topic category for example patient preference

aggressiveness of care and others and then explains each of the various instruments that have been developed to measure that topic Next the description psychometric properties summary and critique references and a copy of the instrument are Guide to the Psychiatry of Old Age provided so as to facilitate the reader s search for a usable instrument Back cover David Ames, Edmond Chiu, James Lindesay, Kenneth I. Shulman, 2010-07-01 With rapid ageing of the world's population psychiatry of old age has become a crucial discipline This succinct guide to the scope and practice of the psychiatry of old age provides an up to date summary of existing knowledge best practice and future challenges for the specialty from a global perspective From definitions and demography to epidemiology aetiology and principles of assessment diagnosis and management each chapter is sharp clear and practical enhanced by tables and diagrams for quick assimilation and reference on the ward or in the clinic As well as the main psychiatric conditions encountered in old age coverage also includes legal and ethical issues and the neglected topic of alcohol and drug abuse in the elderly Written by leading clinicians teachers and researchers and offering a much needed international focus this compact guide is essential reading for practising psychiatrists and geriatricians as well as trainees nurses and medical students **Standardized Mini Mental State Exam** - A User's Guide William Molloy, Roger Clarnette, 1999-01-01 Diagnostic Test Accuracy Studies in Dementia A.J. Larner, 2015-04-02 This book explains the key steps in planning and executing diagnostic test accuracy studies in dementia with clear explanations of difficulties and pitfalls and with jargon clearly explained. The emphasis is on pragmatic diagnostic test accuracy studies which can be integrated into day to day clinical practice. The book is based on the author's experience over more than 10 years which has resulted in the publication of many diagnostic test accuracy studies. The text is structured as for a research publication on a diagnostic test accuracy study Introduction Methods Results Discussion with a final chapter on Future Prospects Each of the chapters is devoted to a practical and structured overview of each of these steps in performing and writing up such a study Diagnostic Test Accuracy Studies in Dementia A Pragmatic Approach is aimed at any clinician with an interest in dementia disorders old age psychiatrists geriatricians neurologists neuropsychologists and primary care physicians as well as other professions allied to medicine The book is also of interest to any clinician researcher with an interest in diagnostic test accuracy studies Geriatric Psychiatry Review and Exam Preparation Guide Mark Rapoport, Andrew Wiens, Dallas Seitz, Evan Lilly, 2017-01-06 Geriatric psychiatry is a relatively young discipline within the field of North American psychiatry The development of a workforce to meet the needs of an aging population has been identified as an urgent priority but there is still much we don't know about fulfilling the mental health needs of older adults For Mark J Rapoport geriatric psychiatrists must assess and treat patients today in face of the limitations of what we know but also be armed with enthusiasm to create novel ways of impacting on the quality of life of older patients with mental illness The chapters in this book include case scenarios concise point form summaries of diagnostic and treatment approaches up to date evidence syntheses discussions of controversies and a series of practical and thought provoking

questions and answers Geriatric Psychiatry is a succinct and advanced review of geriatric psychiatry that will help clinicians improve the psychiatric care of an aging population Guide to Clinical Preventive Services DIANE Publishing Company, 1997-03 An exhaustive report on recommended clinical preventive services that should be provided to patients in the course of routine clinical care including screening for vascular neoplastic and infectious diseases and metabolic hematologic ophthalmologic and ontologic prenatal and musculoskeletal disorders Also mental disorders and substance abuse counseling and immunization The majority of deaths below age 65 are preventable This Guide results from the most comprehensive evaluation and synthesis of preventive interventions to date **Diagnosis of Dementia and Cognitive Impairment** Andrew J. Larner, 2019-12-10 In this special issue of Diagnostics expert contributors have produced up to date research studies and reviews on various topics related to the diagnosis of dementia and cognitive impairment The methods of the assessments discussed extend from simple neurological signs which may be elicited in the clinical encounter through cognitive screening instruments to sophisticated analyses of neuroimaging and cerebrospinal fluid biomarkers of disease It is hoped that these various methods may facilitate earlier diagnosis of dementia and its subtypes and provide differential diagnosis of depression and functional cognitive disorders as a prelude to meaningful interventions **Preventive Services** U.S. Preventive Services Task Force,1996 Clinical Assessment for Social Workers Catheleen Jordan, Cynthia Franklin, 2020-09-15 The fifth edition of Clinical Assessment like earlier editions of this text continues to show how to combine practice wisdom and evidence based methods when formulating assessments and intervention plans This new edition also emphasizes the biopsychosocial spiritual framework and the importance of the strengths perspective in assessment including updates on neuroscience Additionally every chapter in this fifth edition includes new updated information that covers approaches to assessment and how to assess various client populations including clients who experience adverse childhood experiences trauma and clients from under represented minority backgrounds Like the 4th Edition of this text measurement instruments are added in each chapter including measures from the public domain that can **Neurobiology of Psychiatric Disorders** Thomas E Schlaepfer, Charles B. be used for pedagogy and clinical practice Nemeroff, 2012-09-01 This new volume in the Handbook of Clinical Neurology presents a comprehensive review of the fundamental science and clinical treatment of psychiatric disorders Advances in neuroscience have allowed for dramatic advances in the understanding of psychiatric disorders and treatment Brain disorders such as depression and schizophrenia are the leading cause of disability worldwide It is estimated that over 25% of the adult population in North America are diagnosed yearly with at least one mental disorder and similar results hold for Europe Now that neurology and psychiatry agree that all mental disorders are in fact brain diseases this volume provides a foundational introduction to the science defining these disorders and details best practices for psychiatric treatment Provides a comprehensive review of the scientific foundations of psychiatric disorders and psychiatric treatment Includes detailed results from genetics molecular

biology brain imaging and neuropathological immunological epidemiological metabolic therapeutic and historical aspects of the major psychiatric disorders A must have reference and resource for neuroscientists neurologists psychiatrists and clinical psychologists as well as all research scientists investigating disorders of the brain Geriatric Mental Health Care Gary J. Kennedy, 2012-02-29 This essential guide is designed for mental health practitioners and primary care providers without advanced training in geriatric psychiatry Gary I Kennedy sets forth a clear framework for understanding the interplay of medical psychological and social factors in frequently encountered problems among older adults Clear guidelines are delineated for assessing and treating such conditions as depression and anxiety dementia psychosis and mania sleep disturbances personality and somatoform disorders substance abuse and suicidality Throughout the book focuses on ways to sustain seniors independence and overall quality of life while enhancing their adaptive capacities Winner American Journal of Nursing Book of the Year Award 2000 See also the author's Geriatric Depression A Clinical Guide which distills the best available interventions for depression in older adults in a highly accessible format Capacity Assessment and the Law Kelly Purser, 2017-05-22 This book discusses theoretical issues standards and professional considerations arising when legal and health practitioners undertake legal capacity assessments in the context of wills enduring powers of attorney and advance health directives The potential loss of cognition can erode autonomy as individuals lose the ability to make their own legally recognised decisions This is an inescapable problem with significant legal social health and policy repercussions This work synthesises and critically analyses the existing literature including some of the best assessment models and guiding principles internationally to generate a new methodology and understanding of what capacity assessment best practice means This includes the impact of assessments on individual autonomy the ideal method building upon respect for both autonomy as well as fundamental human rights The triggers to assess capacity who to involve in the assessment process as well as how to conduct that assessment process are discussed The crucial relationship between the legal and health professionals involved in assessments including growing concerns around practitioner liability is also explored This analysis is undertaken through the innovative use of a therapeutic jurisprudence lens the effect of which is to contribute new knowledge to this complex field Family Medicine OSCE: First Aid to Objective Structured Clinical Examination Shaima Lari, Shammah Al Memari, Dana Al Marzooqi, 2024-05-06 In this book a clinician can experience the most typical medical subjects in a primary care setting which is the highlight The book brings knowledge and counseling skills into action as it takes you through various scenarios In addition it serves as a guide for passing the Objective Structured Clinical Examination or OSCE by mirroring the Middle East and Arab World exam format in a structured fashion With that the book left behind distinctive traces that productively revealed its value and reputation The book chapters provide a systematic approach to patient centered medical problems making it easier and handier for the students The process covers in depth history remarks an organized set of physical examinations and careful counseling tips Performance Evaluation and

Benchmarking of Intelligent Systems Raj Madhavan, Edward Tunstel, Elena Messina, 2010-04-29 To design and develop capable dependable and affordable intelligent systems their performance must be measurable Scienti c methodologies for standardization and benchmarking are crucial for quantitatively evaluating the performance of eme ing robotic and intelligent systems technologies There is currently no accepted standard for quantitatively measuring the performance of these systems against user de ned requirements and furthermore there is no consensus on what obj tive evaluation procedures need to be followed to understand the performance of these systems The lack of reproducible and repeatable test methods has precluded researchers working towards a common goal from exchanging and communic ing results inter comparing system performance and leveraging previous work that could otherwise avoid duplication and expedite technology transfer Currently this lack of cohesion in the community hinders progress in many domains such as m ufacturing service healthcare and security By providing the research community with access to standardized tools reference data sets and open source libraries of solutions researchers and consumers will be able to evaluate the cost and be ts associated with intelligent systems and associated technologies In this vein the edited book volume addresses performance evaluation and metrics for intel gent systems in general while emphasizing the need and solutions for standardized methods. To the knowledge of the editors there is not a single book on the market that is solely dedicated to the subject of performance evaluation and benchmarking of intelligent systems **Cross-Disciplinary Approaches to Characterize Gait and Posture** Disturbances in Aging and Related Diseases Simone Tassani, Egon Perilli, Martina Mancini, 2022-05-03 Mental Health in Nursing - E-Book Epub Kim Foster, Peta Marks, Anthony O'Brien, John Hurley, 2024-08-26 Holistic overview of mental health for nurses in a practice setting All nurses play an important role in supporting mental health as part of holistic care provision This book is designed to help students and novice clinicians to develop the knowledge skills and attitudes they need to care for people across a wide range of specialist and non specialist practice settings Written by a highly experienced team of mental health nursing experts the book covers all the common mental health conditions nurses are likely to encounter in practice It provides essential information on assessing for and identifying people experiencing mental illness as well as how to provide appropriate responses support and referral across the numerous contexts in which nurses work Fully updated and expanded the sixth edition includes a wealth of lived experience perspectives designed to provide a critical perspective and a way of thinking about the issues more deeply building empathy and understanding High quality evidence based content developed specifically to meet the learning needs of students and novice clinicians in Australia and New Zealand Describes the foundational principles and core mental health skills required by all nurses Covers generalist health settings content is relevant for nursing students across their curriculum Focuses on mental health not mental illness an emphasis on recovery oriented practice trauma informed car and the value of building therapeutic relationships Articulates and demonstrates the expert knowledge and skills of mental health nurses and includes information on professional self care for all nurses Covers

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